

IB-1581

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Daniel S. Pickard et al.  
Ser. No.: 10/060,826  
Filed: 02/01/2002  
For: Matching Network for RF Plasma Source

Group No: 2821  
Examiner: Wilson Lee

4/Electon  
1-17-03  
A. Wall

**FAX RECEIVED****RESPONSE TO RESTRICTION REQUIREMENT**

JAN 16 2003

Commissioner of Patents and Trademarks  
Washington, DC 20231

**TECHNOLOGY CENTER 2800**

In response to the Restriction Requirement dated 12/16/2002, Applicant  
provisionally elects with traverse Invention I, Claims 1-11.

Restriction is required between Invention I, Claims 1-11, drawn to a matching  
network, and Invention II, Claims 12-20, drawn to a plasma ion source, on the basis that  
the inventions, which are related as combination (II) and subcombination (I), are distinct  
because the combination does not require the particulars of the subcombination, and the  
subcombination has separate utility.

The Examiner indicates that the combination, Invention II, does not require the  
particulars from Claim 8, but Claim 12 recites the exact subcombination of Claim 1.

**CERTIFICATE OF FACSIMILE TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(B)**

I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the  
date shown below, being facsimile transmitted to the United States Patent and Trademark Office,  
Fax No (703) 872-9318 on January 16, 2003.

By: 

Henry P. Sartorio

Invention I, Claims 1-7, 11 do not require the particulars of Claim 8 either. Any of the particulars in Claims 2-11 could be included in Claim 12 as is shown by the dependent claims. Claims 13-16 correspond exactly to the particulars of Claims 2-4, 6; Claim 17 is similar to Claim 7, and Claim 20 is similar to Claim 10.

If the subcombination of Claim 1 is found patentable, then Claims 12-20 should be rejoined because Claim 12 includes the subcombination of Claim 1. Likewise if any amended Claim 1 or dependent claim is found allowable, Claims 20 should be rejoined if Claim 12 is amended to include the subcombination of amended Claim 1 or the allowable dependent claim.

The Examiner states that the subcombination matching network can be used in a plasma generator that does not render ions or electrons, but this is not a separate utility. The matching network is still being used to couple an RF supply to an RF antenna in a plasma generator, as recited in both Claims 1 and 12. An ion or electron source is still a plasma generator, produced merely by adding an extractor to the plasma generator to extract the ions or electrons which are part of the plasma, but still use the matching network in the same way to input power into the generator to generate a plasma.

Any telephonic communications regarding this response should be directed to Applicant's Attorney at (510) 486-4534.

Respectfully submitted,



Henry P. Sartorio  
Attorney for Applicant  
Reg. No. 28,535

Dated: January 15, 2003